

Modul 2

Database – Konfigurasi – Model buku

Buat Database

- Buat database: perpustakaan
- Buat table: mst_buku
- Struktur table mst_buku

Field	Type Data	Ukuran
ID_Buku	Integer	8, auto increment
Judul	Varchar	100
Pengarang	Varchar	150
Kategori	Varchar	10

Konfigurasi Database

- Masuklah ke direktori /application/config, lalu buka file **database.php**. Tentukan hostname, username, password, dan nama database. Contoh:

```
50 $db['default']['hostname'] = 'localhost';  
51 $db['default']['username'] = 'root';  
52 $db['default']['password'] = '';  
53 $db['default']['database'] = 'buku_123456789';  
54 $db['default']['dbdriver'] = 'mysql';
```

- `$db['default']['database'] = 'perpus';`
- `$db['default']['dbdriver'] = 'mysqli';`

Konfigurasi Autoload

- Masuklah ke direktori /application/config, lalu buka file **autoload.php**. Tambahkan library database pada konfigurasi autoload. Seperti contoh berikut:

```
55 $autoload['libraries'] = array('database');
```

Buat Model Buku (1)

- Simpan file tersebut di direktori kerja Anda, pada folder : application/models/, beri nama file : buku_m.php

```
1 <?php
2
3 class Buku_m extends CI_Model
4 {
5     function __construct()
6     {
7         parent::__construct();
8     }
9 }
```

Buat Model Buku (2)

- Lanjutan...

```
10 function get_records($criteria='', $order='', $limit='', $offset=0)
11 {
12     $this->db->select('*');
13
14     $this->db->from('mst_buku');
15
16     if ($criteria != '')
17         $this->db->where($criteria);
18
19     if ($order != '')
20         $this->db->order_by($order);
21
22     if ($limit != '')
23         $this->db->limit($limit, $offset);
24
25     $query = $this->db->get();
26
27     return $query;
28 }
29
```

Buat Model Buku (3)

- Lanjutan ...

```
30  function insert($data)
31  {
32      $query = $this->db->insert('mst_buku', $data);
33
34      return $query;
35  }
36
37  function update_by_id($data, $id)
38  {
39      $this->db->where("ID_Buku = '$id'");
40
41      $query = $this->db->update('mst_buku', $data);
42
43      return $query;
44  }
```

Buat Model Buku (4)

- Lanjutan ...

```
45
46     function delete_by_id($id)
47     {
48         $query = $this->db->delete('mst_buku', "ID_Buku = '$id'");
49
50         return $query;
51     }
52 }
53
54 ?>
```